

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Keun Ho CHUN et al. ) Group Art Unit: 1634  
)  
Serial No.: 10/684,346 ) Examiner: SALMON, Katherine  
)  
Filed: October 11, 2003 ) Confirmation No.: 9221  
)  
For: **TARGET DETECTION SYSTEM HAVING A** )  
**CONFORMATIONALLY SENSITIVE PROBE** )  
**COMPRISING A NUCLEIC ACID BASED**  
**SIGNAL TRANSDUCER**

Office of Initial Patent Examination's Filing Receipt Corrections  
Mail Stop Correspondence  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CORRECTION OF FILING RECEIPT**

Sir:

Applicant has noted an error on the Filing Receipt mailed May 24, 2004, and requests issuance of an updated filing receipt. In particular, the Filing Date should be October 11, 2008 as shown on the enclosed marked-up copy of the Filing Receipt issued by the Patent Office on May 24, 2004. Attached is also a copy of the Certificate of Express Mailing and a copy of the postmark for correction of the filing receipt. Applicant further notes that a Request for Correction of Filing Receipt was previously submitted on April 14, 2004. A fresh copy of the submitted documents is enclosed.

Applicant also notes that the Serial No. indicated on the returned postcard is inaccurate. The accurate Serial No. is 10/684,346, (which appears on the filing receipt) and not 10/684,364.

Respectfully submitted,

**JHK Law**

Dated: December 12, 2008

By: /Joseph Hyosuk Kim/

Joseph Hyosuk Kim, Ph.D.

Registration No. 41,425

JHK Law  
P.O. Box 1078  
La Canada, CA 91012-1078  
Telephone: (818) 249-8177; Facsimile: (818) 249-8277



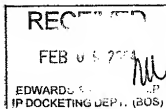
NOTED ON SYSTEM

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1459  
 Alexandria, Virginia 22313-1459  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/684,346	<del>10/10/2000</del> 10/11/2003	1645	0.00	58248-CIP2 (47606)	52	228	1

21874  
 EDWARDS & ANGELL, LLP  
 P.O. BOX 55874  
 BOSTON, MA 02205



CONFIRMATION NO. 9221

## FILING RECEIPT



\*OC000000011854861\*

Date Mailed: 02/06/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Keun Ho Chun, Residence Not Provided;  
 Hyun Jin Hwang, Residence Not Provided;

## Assignment For Published Patent Application

Ahram Biosystems Inc.;

## Domestic Priority data as claimed by applicant

This appln claims benefit of 60/417,864 10/11/2002

## Foreign Applications

If Required, Foreign Filing License Granted: 01/09/2004

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title

Target detection system having a conformationally sensitive probe comprising a nucleic acid

based signal transducer

**Preliminary Class**

435

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

INVENTOR(S): CHUN et al. Examiner: Not Yet Known  
 U.S. SERIAL NO.: 10/684,346 Art Unit: 1645  
 FILED: October 11, 2003  
 FOR: TARGET DETECTION SYSTEM HAVING A CONFORMATIONALLY  
 SENSITIVE PROBE COMPRISING A NUCLEIC ACID BASED SIGNAL  
 TRANSDUCER

\*\*\*\*\*  
**CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop: Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on April 14, 2004.

By: 

Sharon Bizokas  
 \*\*\*\*\*

Mail Stop: Missing Parts  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED FILING RECEIPT**

1. Attached is a copy of the official filing receipt received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.

*Note: The PTO will not correct the filing receipt until the application is complete (in other words, the applicant files a response to the notice to file missing parts).*

2. There is an error with respect to the following data, which is:

☒ incorrectly entered

and/or

☐ omitted.

***Error in***

***Correct data***

1. ☐ Applicant's name
2. ☐ Applicant's address
3. ☐ Title
4. ☒ Filing Date
5. ☐ Serial Number
6. ☐ Foreign/PCT Application Re:
7. ☒ Other:

- 1.
- 2.
- 3.
4. October 11, 2003
- 5.
- 6.
7. US Provisional 60/417,864 (10/11/2002);  
 CIP of USSN 10/684,230 (10/10/2003)

3. (complete the following applicable item)

The present application was filed on October 11, 2003 via Express Mail (Label No. EV 342613515 US), as shown by the Certificate of Express Mail (37 C.F.R. §1.10) and by the postmark on the Customer Copy of the Express Mail Label. Copies of the Certificate and the Label are enclosed.

On October 23, 2003, the return postcard for the filing of the application was received. The sticker on the return postcard listed U.S.S.N. 10/684,364 and a filing date of October 10, 2003. A copy of the postcard is enclosed.

On February 12, 2004, Applicants used U.S.S.N. 10/684,364 to file an Information Disclosure Statement (IDS) for the present application.

On the Official Filing Receipt, however, the U.S. Serial Number is listed as 10/683,346 and the filing date is still listed as October 10, 2003.

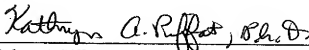
A telephone conference with the Initial Patent Examination Division confirmed that U.S.S.N. 10/683,346 is the correct U.S. Serial Number for the present application. Applicants were instructed to submit a copy of the Certificate of Express Mailing and a copy of the postmark for correction of the filing receipt. As noted above, copies of these items are enclosed herewith.

Applicants also request the entry of the U.S. Serial Number for the priority U.S. utility application. Applicants have revised the "Cross-References to Related Applications" to include the U.S. Serial Number for the U.S. non-provisional utility priority application filed on October 10, 2003. This serial number was not yet available on the filing date of the present application. Applicants respectfully request that this information be added to the filing receipt. In addition to claiming priority of U.S. 60/417,864 (10/11/2002), the present application is a continuation-in-part of U.S.S.N. 10/684,230.

Applicants respectfully request correction of the Official Filing Receipt and confirmation of the serial number, filing date, and priority claim.

Respectfully submitted,

Date: April 14, 2004



Kathryn A. Piffat, Ph.D., Reg. No.: 34,901  
Intellectual Property Practice Group of  
EDWARDS & ANGELL, LLP  
P.O. Box 55874  
Boston, Massachusetts 02205  
Tel.: 617-439-4444  
Fax: 617-439-4170

Customer No.: 21874

BOS2\_441278.1

Mailing Date: 11 OCT 2003  
Client No.: 47606  
Applicant: K.H. CHUN et al.  
Inventor:

Docket No.: 58248-CIP2  
Atty/Sec.: RLB/PB

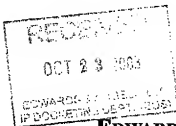
Title: Target Detection System Having A Conventionally Sensitive Probe Comprising A Nucleic Acid Based Signature  
77950400

The date stamp of the Patent and trademark Office hereon will be taken as the date of filing of:

Int. Filing Date: \_\_\_\_\_ Int. Appl. No.: \_\_\_\_\_  
Priority Date: \_\_\_\_\_ Int. Publ. No.: \_\_\_\_\_  
Priority Appl. No.: \_\_\_\_\_ Priority Country: \_\_\_\_\_

<input checked="" type="checkbox"/> Specification	<u>191</u> Pages	<input type="checkbox"/> PCT/IB/301	<input type="checkbox"/> Check for \$ _____
<input checked="" type="checkbox"/> Claims	<u>34</u> Pages	<input type="checkbox"/> PCT/IB/308	<input type="checkbox"/> Resp. to Correct Defects
<input checked="" type="checkbox"/> Drawings	<u>52</u> Sheets	<input type="checkbox"/> PCT Request Form and Fee Calculation Sheet	<input type="checkbox"/> PCT Chapter II Demand and Fee Calc. Sheet
<input type="checkbox"/> Declaration and POA	_____ Pages	<input type="checkbox"/> Art. 19 Amend.	<input type="checkbox"/> Prelim. Examination Report
<input type="checkbox"/> Preliminary Amendment	_____ Pages	<input type="checkbox"/> Annexes	<input type="checkbox"/> Int. Search Rep.
<input type="checkbox"/> Assignment	_____ Pages	<input type="checkbox"/> Refs.	<input type="checkbox"/> Translation
<input checked="" type="checkbox"/> Sm. Entity Status Form	<u>2</u> Pages	<input type="checkbox"/> Refs.	<input type="checkbox"/> Translation
<input type="checkbox"/> IDS (1449 Form)	<input type="checkbox"/> Refs.		
<input type="checkbox"/> Sequence Listing (paper copy), Disk containing Sequence Listing and Statement in Support			
<input type="checkbox"/> Other			

Due Date: 11 OCT, 2003 Express Mail Label No.: EV342613 515 US



**EDWARDS & ANGELL, LLP**

DIKE, BRONSTEIN, ROBERTS & CUSEMAN  
Intellectual Property Practice Group  
P.O. Box 9169  
BOSTON, MA 02209

16834 U.S. PTO  
10/684364



10/10/03

## Preliminary Classification:

Proposed Class:

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.'" M.P.E.P. Section 601, 7th ed.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop: Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) AND 1.10\*

(When using Express Mail, the Express Mail label number is mandatory;

Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

## MAILING

- ☐ deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
37 C.F.R. Section 1.8(a)

37 C.F.R. Section 1.10\*

- ☐ with sufficient postage as first class mail.

- ☐ as "Express Mail Post Office to Address"  
Mailing Label No. EV34261351505 (mandatory)

## TRANSMISSION

- ☐ transmitted by facsimile to the Patent and Trademark Office (703)

Date: 11 OCT 2013

Signature

Robert L. Buchanan  
(type or print name of person certifying)

## \*WARNING:

Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. Section 1.10(b).

"Since the filing of correspondence under [Section] 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.



EV 342613515 US

Customer Copy  
Label 1147 July 2002**EXPRESS MAIL**

Post Office To Addressee

## ORIGIN (POSTAL USE ONLY)

PO # <b>02205</b>	City of Delivery <b>MA</b>	Post Office
Date <b>10/11/03</b>	Time In <b>8:34</b>	Time Out <b>4:00 PM</b>
Weight <b>3.1</b> lbs	INS1 Alpha Country Code	ODD Fee
No Delivery	Address on Mark Inside	Total Package Fee <b>\$24.20</b>

## DELIVERY (POSTAL USE ONLY)

Delivery Method	Time	Employee Signature
AM	PM	
Time	Time	Employee Signature
AM	PM	
Time	Time	Employee Signature
AM	PM	

## RECEIVED (POSTAL USE ONLY)

## METHOD OF PAYMENT

Debit Mail Certificate Act, No.

## General Agency Act, No. or

Postal Service Act, No.

## FROM: (PLEASE PRINT)

PHONE: **617 457-4444**

## TO: (PLEASE PRINT)

PHONE:

EDWARDS & ANGELL, LLP  
PO BOX 9169  
BOSTON MA

MA 02209-9169

COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA VA

VA 22313-1450

Re: 58248-CIP2 (47606)

MAIL STOP PATENT Application

PRESS HARD.  
You are making a copy.

FOR PICKUP OR TRACKING CALL 1-800-222-1811 www.usps.com

**EMS**